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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent of

HARATA et al

Atty. Ref.: 2018-741

Patent No. 6,974,095

Issued: December 13, 2005

For: FLUID INJECTION NOZZLE

\* \* \* \* \*

January 18, 2006

Certificate  
JAN 20 2006  
of Correction

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**REQUEST FOR A CERTIFICATE OF CORRECTION UNDER 35 USC §254**

It is respectfully requested that a Certificate of Correction be issued to correct the claims of the above-identified Patent Grant on the basis of the following:

The Examiner's Notice of Allowability mailed August 9, 2005 acknowledged the Preliminary Amendment filed August 1, 2005 and indicated that claims 1-16 were allowed. However, the patent claims ultimately published in the subject U.S. Patent No. 6,974,095 did not correctly reflect the Amendment filed August 1, 2005 and, further, entirely omitted allowed claims 13-16. It is therefore respectfully requested that a Certificate of Correction be issued as per the attached Form 1050 which corrects claims 1-3 and 7-9 as published to reflect the August 1, 2005 Amendment and adds claims 13-16 as amended August 1, 2005.

Because the above-noted error was a mistake in the published grant due to a Patent Office error and was not the fault of the applicant, it is understood that no fee is due in respect to this Petition for Certificate of Correction.


JAN 23 2006

Attached hereto is a draft Official Certificate of Correction for use by the Patent and Trademark Office correcting the above-identified matter.

Early and favorable Action on this Request is solicited.

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

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UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 6,974,095  
DATED : December 13, 2005  
INVENTOR(S) : HARATA et al

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It is certified that error appears in the above-identified patent and that said letters patent is hereby corrected as shown below:

Column 6, line 16, insert -- first -- before "plurality";  
Column 6, line 42, insert -- first -- before "plurality";  
Column 6, lines 52-53, delete "through hole has an inlet opening";  
Column 6, line 57, delete "through hole faces";  
Column 7, line 2, insert -- first -- before "plurality";  
Column 7, lines 10-11, change "an inlet said through hole has an inlet" to -- inlets --;  
Column 7, line 14, delete "inlet" and insert -- inlets --;  
Column 7, lines 15-16, delete "a bottom said through hole faces";  
Column 8, line 2, delete "through hole has";  
Column 8, line 5, delete "through hole has";  
Column 8, line 8, delete "through hole has";

Column 8, after line 21, add the following claims:

--13. A fluid injection nozzle comprising:  
a valve body providing a valve seat on an inner surface, said inner surface defining a fluid passage whose cross-sectional area is decreased towards a downstream side;  
a valve member for cooperating with said valve seat to open and close said fluid passage; and  
a plate disposed on a downstream side of said fluid passage, said plate having a first plurality of through holes for injecting fluid,

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6,974,095

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JAN 23 2006

UNITED STATES PATENT AND TRADEMARK OFFICE

**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,974,095

DATED : December 13, 2005

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wherein said plate is located at a far end of a downstream direction of the fluid injection nozzle,

wherein said plate defines a chamber just above said through holes, said chamber is defined by a flat surface of said plate, a diameter of said chamber is larger than a downstream end opening of said inner surface of said valve body, and said through holes are respectively inclined to a longitudinal axis of the valve member, and

wherein said valve body defines a depression at its downstream end for defining said chamber.

14. The fluid injection nozzle according to claim 13, wherein said chamber extends substantially parallel to said plate.

15. A fluid injection nozzle comprising:

a valve body providing a valve seat on an inner surface, said inner surface defining a fluid passage whose cross-sectional area is decreased in a downstream direction;

a valve member for cooperating with said valve seat to open and close said fluid passage; and

a plate disposed on a downstream side of said fluid passage, said plate defining a first plurality of through holes for injecting fluid,

said plate defining a chamber just above said through holes, said chamber is defined by an approximately flat surface of said plate, and a diameter of said chamber is larger than a downstream end opening of said inner surface of said valve body,

wherein said valve body defines a depression at its downstream end for defining said chamber, and wherein the bottom surface of said depression extends substantially parallel with said plate.

16. The fluid injection nozzle according to claim 15, wherein said chamber extends substantially parallel to said plate. --

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